# Improving Satellite Filing at the FCC



The International Bureau June 26, 2003

# **Item Overview**

- On June 26, 2003 the Commission adopted the Third Satellite Licensing Reform Order (FCC 03-154), a decision that allows the International Bureau to better support the FCC's mission to foster competition, effectively manage spectrum, and promote homeland security. The item adopted two interactive forms to make it easier to apply for satellite and earth station licenses, and to move closer to the goal of modernizing and streamlining the Commission's procedures.
- The first form, "Schedule S," consolidates and standardizes much of the information currently required in satellite applications. Schedule S will allow the Commission to:
  - Review applications more quickly,
  - Enhance our existing database so that information can be found more easily, and
  - Revise the International Bureau Filing System (IBFS) so that many calculations are done automatically.
- The second form, "312EZ," is a new, streamlined form for routine earth station applications.
  - The International Bureau will issue a public notice at least 30 days before routine earth station applicants will be required to use Form 312EZ.
- In addition, the item clarifies several Commission Rules, including the procedures for requesting milestone extensions, and for modifications of earth station licenses.
- Finally, the item adopted mandatory electronic filing for routine earth stations, comments, and petitions to deny, and invited comment on extending mandatory electronic filing to all satellite and earth station filings.
  - This requirement will take effect concurrently with the availability of Form 312EZ as discussed above.

# A Glimpse of the Future of Satellite Filing

In the next 3 minutes, we will guide you through a virtual tour of the what the application filing experience can be in the future.

Let's begin the tour. ©

After arriving at her law firm and getting a cup of coffee, an IBFS user logs into her personal digital desktop called "My IBFS".



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# My Recent Filings

Licensee	Call sign	File No.	Status	Mail
SpaceCo	E0402090	SES-LIC-3002123	Accepted for Filing	
Big Satellite Co.	E0490210	SES-LIC-2002022	Granted	
MySatellite Inc	S0420011	SAT-T/C-2002711	Action Taken PN	
ZeroCorp	S0410596	SAT-LOA-3002123	Pending	
Starvoice	E0410596	SES-LIC-3002123	Engineering Review	

## My Drafts

Licensee	Tracking ID	Filing Type	Send
Wireless Co	IB 20030014627	SES Modification	
Earthco	IB 20030014527	SCL Authorization	
123 Enterprises	IB 20030014492	IHF Modification	
XYZ Corp	IB 20030014463	ROA Authorization	$\overline{\nabla}$

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At a glance, she checks the status of the filings she has already made. She notices that one of her applications has been granted. But that another is still under review.

And she sees that she has received an email from the Satellite Division requesting additional technical information.



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She is able to quickly review the message and forward it to her engineer for action.



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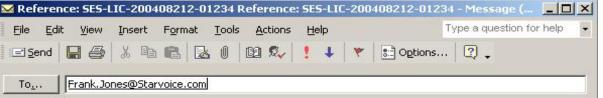
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Mr. Jones,

Subject:

Thank you for your electronically filed earth station application. We have conducted an initial review of the application and have determined that additional information is required before full review can be completed. Specifically, please provide the calculations used to develop the figures in question 8 on the Form 312/Schedule B.

Please submit this information no later than 15 days after the date of this email. If the information is not supplied, your application may be dismissed.

IB 20030014492

IB 20030014463

Reference: SES-LIC-200408212-01234 Reference: SES-LIC-200408212-01234

For additional information regarding this request, please email us at the address above or call our help line at 202-418-2222.

As always, thank you for using IBFS.

Licensee

XYZ Com

Wireless Co Earthco

123 Enterprises

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She then checks her personalized "watch list," which she has previously set to monitor activities on certain call signs, file numbers, or company names.

It also helps her to keep track of important due dates.

Today, her watch list flags that one of her client's licenses is due for renewal.



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			oRelevant PN's	
Call sign	Date	Report No.	Description	
ITC02090	Jun 09, 2003		INTERNATIONAL AUTHORIZATIONS GRANTEDSection 214 Applications	
E0420011	Jun 08, 2003	SES00460	SATELLITE COMMUNICATIONS SERVICES RE: SATELLITE RADIO APPLICATIONS ACCEPTED FOR FILING	

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# My Watch List

ES-ASG-3005986	Consummation Required	Jul 01, 2003
	Required	
ES-LIC-19880404	Renewal Filing	Sep 15, 2003
	Required By	
AT-LOA-2000256	Milestone Due	20, 2003
		Required By

Turning her attention to incoming filings...she uses the quick reports feature to look at lists of all satellite filings received, and granted yesterday.

She then remembers that she needs to file a comment on a pending application.



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	E04 10596	SES-LIG-3002123	Engineering Review	

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With one click on the quick reports menu, she views a list of all satellite filings out for comment.



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She finds the application on the list and quickly submits the comments her legal clerk prepared the day before.



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Applicant Name	Call Sign	File Number	Status	Comments Filed	File a Comment	
TeleLink	S18997	SAT-LOA-20030514-02620	AFPN	27	D	
ORB Times	S18996	SAT-LOA-20030401-02111	AFPN	3		
DST Mining	S12012	SAT-MOD-20030223-00047	AFPN	16		
SpaceCo Inc	S10556	SAT-MOD-20030507-00097	AFPN	401		
Matrix Dynamics	S20198	SAT-MOD-20030528-00094	AFPN	12		
EarthCom	E037865	SES-LIC-20030327-00387	AFPN	19		
PageRx	E039988	SES-AMD-20030421-00506	AFPN	0		
SonarStar	E028221	SES-ASG-20030502-00574	AFPN	6		
Mobilbond	E039871	SES-LIC-20030327-00386	AFPN	20		

A year ago, everything she's done so far could have taken up half of her day.

Now she completes all of this before she's finished her first cup of coffee!





Let's see what her law clerk is doing....

Today he is preparing a satellite earth station application. He knows that the Commission created a streamlined process for routine applications, but he's not sure if his client qualifies.

However, he knows the Commission's new interactive system will help him through the process.



After selecting "earth station" from the application menu, he answers a few quick questions from IBFS.

Minutes later, IBFS tells him that his client does qualify for streamlining and prompts him to enter the required technical information.



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# **Earth Station Application**

Start

## 312 EZ Qualification Interview

Are you applying for a NEW earth station license (i.e., one that has not been previously licensed)?

Will you operate your proposed earth station ONLY within the C-band (3700-4200 MHz and 5925-6425 MHz) or Ku-band (11.7-12.2 GHz and 14.0-14.5 GHz)?

Will you operate your proposed earth station ONLY with U.S.-licensed or Permitted List geostationary satellites?

Will your proposed earth station be a fixed earth station or temporary-fixed earth station that will operate only in the Fixed Satellite Service on a non-Common Carrier basis?

Do(es) your proposed antenna(s) comply with the antenna gain standard specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurements?

Does your proposed earth station operation conform with all routine power and power density rules contained in Sections 25.211 and 25.212? Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

# You've Passed

Based on your responses to these questions, this application qualifies for streamlined filing and may be submitted on the 312 EZ form. Click Continue to complete the technical information portion of your application.

**Continue** 

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# **Earth Station Application**

## **EZ Technical Information**

Site: 581 Marin Dr Upper Tumon, GU 96911

Latitude:13° 30' 14.00" N Longitude:144° 48' 15.00" E NAD Indicator: NAD 83

Antenna Facilities: 4.6 M Dia. Andrew Corporation ES46-CCP2

Antenna Height: 8.26M AGL/60.68 AMSL

Frequency	Polarization	Emission	Mode	EIRP	Modulation
6368	H,V	2M50G7D	Tx	36.30	Digital
6170	H,V	2M50G7D	Tx	36.30	Digital
6116	H,V	2M50G7D	Tx	36.30	Digital
5925	H,V	2M50G7D	Tx	36.30	Digital
3700	H,V	2M50G7D	Tx	36.30	Digital

Your application is complete, would you like to submit it now?

**Submit** 

No, I want to save it and submit it later

Save

When he is done, IBFS asks "do you want to file now?" He responds "yes."

And right then.... The clerk files, and pays online, knowing that his application has been pre-screened.... And that it will move through the process with ease.



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# Welcome to MyIBFS

# What would you like to do next?

# **Congratulations!**

Your application has been successfully submitted to the FCC.

In the future please refer to your **Application with the File Number** SES-LIC-20030624-00455.

The Call Sign for your new station is: E03-FCC123

**Pav Now** 

**Pay Later** 

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Finally, let's look at a satellite engineer on the West coast. Her company wants to launch and operate a new satellite, and she needs to research space station filing options.

With the Commission's first-come-first serve filing process, knowing who's in front of you in the queue is critical.

A year ago she would have had to do a lot of manual research to ensure she had complete and accurate information.



Now, with one click she goes to the IBFS satellite tracker, which shows information on licensed orbital locations in the V, Ka, Ku and C bands.

It also provides her information on pending applications. If she wants more detail, it's just another click away!



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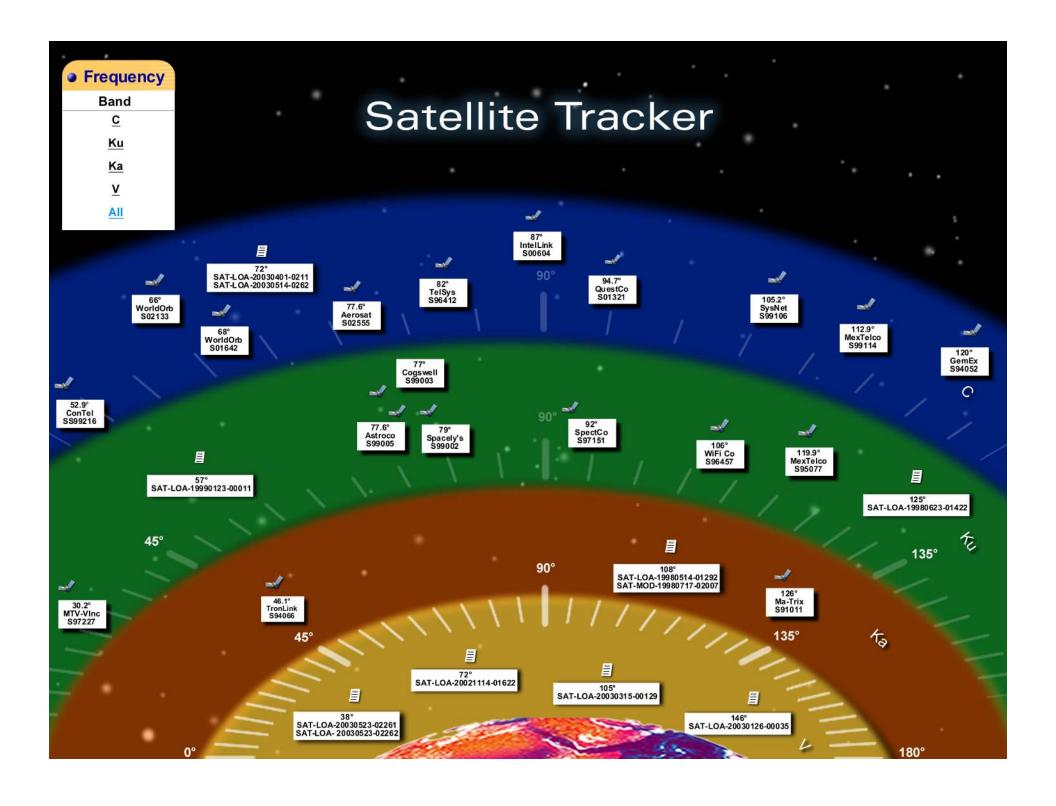
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The tour is now completed, and you have seen a glimpse of the potential of the International Bureau's new filing system.

As has been the case with IBFS since its inception, the final design will be the product of a collaborative process between the FCC and our IBFS users.

For more information on the upcoming IBFS Enhancement Project and ways to get involved, contact Jacki Ponti at <a href="mailto:Jacki.Ponti@fcc.gov">Jacki.Ponti@fcc.gov</a> or Mary Jane Solomon at <a href="mailto:Maryjane.Solomon@fcc.gov">Maryjane.Solomon@fcc.gov</a>